A. Harris

• 1642 # B

PAGE: 1

RAW SEQUENCE LISTING PATENT APPLICATION US/09/183,789A

DATE: 12/16/1999

TIME: 16:44:11

Input Set: I183789A.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

```
<110> APPLICANT: Martelange, Valrie
           De Smet, Charles
 3
           Boon-Falleur, Thierry
 4
     <120> TITLE OF INVENTION: TUMOR ASSOCIATED NUCLEIC ACIDS AND USES THEREFOR
 5
     <130> FILE REFERENCE: L0461/7047
     <140> CURRENT APPLICATION NUMBER: US/09/183,789A
 6
 7
     <141> CURRENT FILING DATE: 1998-10-30
     <150> EARLIER APPLICATION NUMBER: 09/060,706
 8
 9
     <151> EARLIER FILING DATE: 1999-04-15
10
     <160> NUMBER OF SEQ ID NOS: 44
     <210> SEQ ID NO 1
11
12
     <211> LENGTH: 204
     <212> TYPE: DNA
13
     <213> ORGANISM: Homo sapiens
     <400> SEQUENCE: 1
15
           gatcgttgta cctcttcaag caaaatgaaa attctttcat aattttgccc aaaccttcga
                                                                                    60
16
17
           acttetttea ttaattgata ttttatatea teattaattt tetttgeeat ggeaggagat
                                                                                   120
18
           atttgtggtg tatttggcac agtttcaccg aagacattac tgtaactggt gggtcacgtg
                                                                                   180
19
           cagagacact gtagtttttg gtgc
                                                                                   204
     <210> SEO ID NO 2
20
     <211> LENGTH: 20
21
22
     <212> TYPE: DNA
23
     <213> ORGANISM: Homo sapiens
     <400> SEQUENCE: 2
                                                                                    20
25
           tgtacctctt caagcaaaat
26
     <210> SEQ ID NO 3
27
     <211> LENGTH: 20
     <212> TYPE: DNA
29
     <213> ORGANISM: Homo sapiens
     <400> SEQUENCE: 3
           gtgacccacc agttacagta
                                                                                    20
31
32
     <210> SEQ ID NO 4
33
     <211> LENGTH: 9
34
     <212> TYPE: PRT
35
     <213> ORGANISM: Homo sapiens
36
     <400> SEQUENCE: 4
37
           Glu Ala Asp Pro Thr Gly His Ser Tyr
38
39
     <210> SEQ ID NO 5
40
     <211> LENGTH: 9
41
     <212> TYPE: PRT
42
     <213> ORGANISM: Homo sapiens
43
     <400> SEQUENCE: 5
44
           Ser Ala Tyr Gly Glu Pro Arg Lys Leu
```

RAW SEQUENCE LISTING PATENT APPLICATION US/09/183,789A

DATE: 12/16/1999

TIME: 16:44:11

Input Set: I183789A.RAW

```
45
           1
                            5
     <210> SEQ ID NO 6
46
     <211> LENGTH: 9
47
     <212> TYPE: PRT
48
     <213> ORGANISM: Homo sapiens
49
50
     <400> SEQUENCE: 6
51
           Glu Val Asp Pro Ile Gly His Leu Tyr
52
                            5
     <210> SEQ ID NO 7
53
54
     <211> LENGTH: 9
     <212> TYPE: PRT
56
     <213> ORGANISM: Homo sapiens
     <400> SEQUENCE: 7
57
58
           Phe Leu Trp Gly Pro Arg Ala Leu Val
59
     <210> SEQ ID NO 8
60
61
     <211> LENGTH: 10
62
     <212> TYPE: PRT
     <213> ORGANISM: Homo sapiens
63
     <400> SEQUENCE: 8
65
           Met Glu Val Asp Pro Ile Gly His Leu Tyr
66
     <210> SEQ ID NO 9
67
68
     <211> LENGTH: 9
69
     <212> TYPE: PRT
     <213> ORGANISM: Homo sapiens
     <400> SEQUENCE: 9
71
72
           Ala Ala Arg Ala Val Phe Leu Ala Leu
73
           1
                            5
     <210> SEQ ID NO 10
74
75
     <211> LENGTH: 8
76
     <212> TYPE: PRT
77
     <213> ORGANISM: Homo sapiens
78
     <400> SEQUENCE: 10
79
           Tyr Arg Pro Arg Pro Arg Arg Tyr
80
           1
81
     <210> SEQ ID NO 11
     <211> LENGTH: 10
82
83
     <212> TYPE: PRT
84
     <213> ORGANISM: Homo sapiens
     <400> SEQUENCE: 11
           Ser Pro Ser Ser Asn Arg Ile Arg Asn Thr
86
87
88
     <210> SEQ ID NO 12
     <211> LENGTH: 9
89
90
     <212> TYPE: PRT
     <213> ORGANISM: Homo sapiens
92
     <400> SEQUENCE: 12
           Val Leu Pro Asp Val Phe Ile Arg Cys
93
94
           1
```

144

<210> SEQ ID NO 20

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/183,789A

DATE: 12/16/1999 TIME: 16:44:11

Input Set: I183789A.RAW

```
<210> SEQ ID NO 13
 95
 96
      <211> LENGTH: 10
      <212> TYPE: PRT
 97
      <213> ORGANISM: Homo sapiens
 99
      <400> SEQUENCE: 13
            Val Leu Pro Asp Val Phe Ile Arg Cys Val
100
101
            1
                             5
102
      <210> SEQ ID NO 14
      <211> LENGTH: 9
103
104
      <212> TYPE: PRT
105
      <213> ORGANISM: Homo sapiens
      <400> SEQUENCE: 14
106
107
            Glu Glu Lys Leu Ile Val Val Leu Phe
108
            1
                            5
109
      <210> SEQ ID NO 15
      <211> LENGTH: 9
110
      <212> TYPE: PRT
111
      <213> ORGANISM: Homo sapiens
112
113
      <400> SEQUENCE: 15
114
            Glu Glu Lys Leu Ser Val Val Leu Phe
115
            1
                            5
116
      <210> SEQ ID NO 16
117
     <211> LENGTH: 10
118
      <212> TYPE: PRT
119
     <213> ORGANISM: Homo sapiens
120
      <400> SEQUENCE: 16
121
            Ala Cys Asp Pro His Ser Gly His Phe Val
122
            1
123
      <210> SEQ ID NO 17
     <211> LENGTH: 10
      <212> TYPE: PRT
125
126
      <213> ORGANISM: Homo sapiens
127
      <400> SEQUENCE: 17
            Ala Arg Asp Pro His Ser Gly His Phe Val
128
129
            1
                                                 10
130
      <210> SEQ ID NO 18
131
     <211> LENGTH: 9
132
      <212> TYPE: PRT
133
      <213> ORGANISM: Homo sapiens
134
      <400> SEQUENCE: 18
135
            Ser Tyr Leu Asp Ser Gly Ile His Phe
136
137
      <210> SEQ ID NO 19
     <211> LENGTH: 9
138
139
      <212> TYPE: PRT
140
      <213> ORGANISM: Homo sapiens
141
      <400> SEQUENCE: 19
142
            Ser Tyr Leu Asp Ser Gly Ile His Ser
143
```

PAGE: 4 RAW SEQUENCE LISTING DATE: 12/16/1999
PATENT APPLICATION US/09/183,789A TIME: 16:44:11

Input Set: I183789A.RAW

1

```
145
       <211> LENGTH: 9
       <212> TYPE: PRT
 146
 147
       <213> ORGANISM: Homo sapiens
       <400> SEQUENCE: 20
 148
             Met Leu Leu Ala Val Leu Tyr Cys Leu
 149
 150
             1
       <210> SEQ ID NO 21
 151
 152
       <211> LENGTH: 9
       <212> TYPE: PRT
 153
154
      <213> ORGANISM: Homo sapiens
       <400> SEQUENCE: 21
155
             Tyr Met Asn Gly Thr Met Ser Gln Val
156
 157
       <210> SEQ ID NO 22
158
159
       <211> LENGTH: 9
       <212> TYPE: PRT
160
161
      <213> ORGANISM: Homo sapiens
       <400> SEQUENCE: 22
162
163
             Ala Phe Leu Pro Trp His Arg Leu Phe
164
165
       <210> SEQ ID NO 23
166
       <211> LENGTH: 9
      <212> TYPE: PRT
167
168
      <213> ORGANISM: Homo sapiens
169
       <400> SEQUENCE: 23
170
             Ser Glu Ile Trp Arg Asp Ile Asp Phe
171
                             5
       <210> SEQ ID NO 24
172
      <211> LENGTH: 9
173
      <212> TYPE: PRT
174
175
       <213> ORGANISM: Homo sapiens
       <400> SEQUENCE: 24
176
177
             Tyr Glu Ile Trp Arg Asp Ile Asp Phe
178
             1
                             5
       <210> SEQ ID NO 25
179
180
      <211> LENGTH: 15
. 181
      <212> TYPE: PRT
182
      <213> ORGANISM: Homo sapiens
183
       <400> SEQUENCE: 25
184
             Gln Asn Ile Leu Leu Ser Asn Ala Pro Leu Gly Pro Gln Phe Pro
185
                                                  10
186
      <210> SEQ ID NO 26
187
      <211> LENGTH: 15
      <212> TYPE: PRT
188
189
      <213> ORGANISM: Homo sapiens
190
       <400> SEQUENCE: 26
191
             Asp Tyr Ser Tyr Leu Gln Asp Ser Asp Pro Asp Ser Phe Gln Asp
192
                                                  10
                             5
193
      <210> SEQ ID NO 27
194
      <211> LENGTH: 10
```

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/183,789A

DATE: 12/16/1999 TIME: 16:44:11

Input Set: I183789A.RAW

```
<212> TYPE: PRT
195
     <213> ORGANISM: Homo sapiens
196
     <400> SEQUENCE: 27
197
           Glu Ala Ala Gly Ile Gly Ile Leu Thr Val
198
                           5
199
           1
    <210> SEQ ID NO 28
200
201 <211> LENGTH: 9
   <212> TYPE: PRT
202
    <213> ORGANISM: Homo sapiens
203
204 <400> SEQUENCE: 28
           Ala Ala Gly Ile Gly Ile Leu Thr Val
205
                           5
206
    <210> SEQ ID NO 29
207
208 <211> LENGTH: 9
209 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 29
           Ile Leu Thr Val Ile Leu Gly Val Leu
212
                           5
213
           1
      <210> SEQ ID NO 30
214
    <211> LENGTH: 9
215
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
      <400> SEQUENCE: 30
218
           Lys Thr Trp Gly Gln Tyr Trp Gln Val
219
220
      <210> SEQ ID NO 31
221
222
      <211> LENGTH: 9
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
      <400> SEQUENCE: 31
225
           Ile Thr Asp Gln Val Pro Phe Ser Val
226
                                5
227
                1
228 <210> SEQ ID NO 32
      <211> LENGTH: 9
229
230
      <212> TYPE: PRT
      <213> ORGANISM: Homo sapiens
231
      <400> SEQUENCE: 32
232
            Tyr Leu Glu Pro Gly Pro Val Thr Ala
233
                           5
234
            1
235
      <210> SEQ ID NO 33
236
      <211> LENGTH: 10
237
      <212> TYPE: PRT
      <213> ORGANISM: Homo sapiens
238
239
      <400> SEQUENCE: 33
            Leu Leu Asp Gly Thr Ala Thr Leu Arg Leu
240
241
                           5
242
    <210> SEQ ID NO 34
243 <211> LENGTH: 10
      <212> TYPE: PRT
244
```

VERIFICATION SUMMARY PATENT APPLICATION US/09/183,789A

DATE: 12/16/1999 TIME: 16:44:11

Input Set: I183789A.RAW

Line ? Error/Warning

Original Text